

Substitute for form 1449A/PTO

(use as many sheets as necessary)

Complete If Known

Application Number

10/568,649

Filing Date

February 16, 2006

First Named Inventor

Georgio Terenghi

Group Art Unit

Not Yet Assigned

Examiner Name

Not Yet Assigned

Attorney Docket Number

TEPH 109

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS								
Examiner Initials *	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Office. ³	Number ⁴	Kind Code ⁵ (if known)				
CYW		CA	2,259,098		Meiji Seika Kaisha and Taisei Corp	07-13-1999		
↓		CA	2,307,637		Childrens Medical Center Corporation	05-14-1999		
		GB	2166354		Imperial Chemical	05-08-1986		
		DE	39 37 649		Boehringer Ingelheim Forschungsgesellschaft	05-16-1991		
		EP	0 258 781		American Cyanamid Co.	03-09-1988		
CYW		EP	0 344 704		CT Lab Farm SRL	12-06-1989		


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		Number	Kind Code ² (if known)			
CYW		4,435,180		Leeper	03-06-1984	
		4,559,222		Enscore et al.	12-17-1985	
		4,573,995		Chen et al.	03-04-1986	
		4,588,580		Gale et al.	05-13-1986	
		4,603,070		Steel et al.	07-29-1986	
		4,645,502		Gale et al.	02-24-1987	
		4,648,978		Makinen, et al.	03-10-1987	
		4,664,655		Orentreich, et al.	05-12-1987	
		4,704,282		Campbell et al.	11-03-1987	
CYW		4,711,241		Lehmann	12-08-1987	

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CYW		EP	0 423 484		btF Biotechnologische	04-24-1991		
		EP	0 429 403		Sigma-Tau Industrie Farmaceutiche Riunite	05-29-1991		
		EP	0 432 443		Boehringer Ingelheim	06-19-1991		
		EP	0 452 111		Takeda Chemical Industries	10-16-1991		
		EP	0 507 554		Mitsui Toatsu Chemicals, Inc.	10-07-1992		
	CYW		EP	0 601 885		Takasago International Corp.	06-15-1994	

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CYW		4,758,234		Orentreich, et al.	07-19-1988	
		4,788,062		Gale et al.	11-29-1988	
		4,792,336		Hlavacek, et al.	12-20-1988	
		4,816,258		Nedberge et al.	03-28-1989	
		4,826,493		Martini, et al.	05-02-1989	
		4,849,226		Gale	07-18-1989	
		4,856,188		Sibalis	08-15-1989	
		4,880,592		Martini, et al	11-14-1989	
		4,908,027		Enscore et al.	03-13-1990	
	CYW		4,910,145		Holmes, et al.	03-20-1990

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CYW		EP	0 628 586		Terumo Kabushiki Kaisha	12-14-1994		
		EP	0 754 467		Astra Aktiebolag	01-22-1997		
		EP	1130043		Canon Kabushiki Kaisha	09-05-2001		
		JP	4-326932		Nippon Zeon KK	11-16-1992		
		JP	5-023189		Mitsubishi Kasei Corp.	02-02-1993		
		JP	5-194141		Mitsubishi Kasei Corp.	11-19-1993		
CYW		JP	7-275344		Nippon Zeon KK	10-24-1995		

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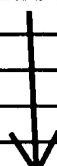
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CYW		4,938,763		Dunn, et al.	07-03-1990	
		4,943,435		Baker et al.	07-24-1990	
		5,002,067		Berthelsen, et al.	03-26-1991	
		5,032,638		Wang, et al.	07-16-1991	
		5,085,629		Goldberg, et al.	02-04-1992	
		5,124,371		Tokiwa, et al.	06-23-1992	
		5,128,144		Korsatko-Wabnegg, et al.	07-07-1992	
		5,204,382		Wallace, et al.	04-20-1993	
		5,236,431		Gogolewski, et al.	08-17-1993	
CYW		5,245,023		Peoples, et al.	09-14-1993	

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CYW		PCT	WO 92/18164		Delta Biotech. Ltd.	10-29-1992		
		PCT	WO 93/20134		Alza Corporation	10-14-1993		
		PCT	WO 94/02184		Medinvent	02-03-1994		
		PCT	WO 94/06886		Biopak Technology, Ltd.	03-31-1994		
		PCT	WO 95/03356		Mass. Inst. of Tech.	02-02-1995		
		PCT	WO 95/20614		The Procter & Gamble Co.	08-03-1995		
CYW		PCT	WO 95/20615		The Procter & Gamble Co.	08-03-1995		

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		Number	Kind Code ² (if known)			
CYW		5,250,430		Peoples, et al.	10-05-1993	
		5,271,961		Mathiowitz, et al.	12-21-1993	
		5,278,201		Dunn, et al.	01-11-1994	
		5,278,202		Dunn, et al.	01-11-1994	
		5,278,256		Bellis	01-11-1994	
		5,292,860		Shiotani, et al.	03-08-1994	
		5,306,286		Stack, et al.	04-26-1994	
		5,334,698		Witholt, et al.	08-02-1994	
		5,468,253		Bezwada, et al.	11-21-1995	
CYW		5,480,394		Ishikawa	01-02-1996	

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		Office. ²	Number ⁴	Kind Code ⁵ (if known)				
CYW		PCT	WO 95/20621		The Procter & Gamble Co.	08-03-1995		
		PCT	WO 95/23250		The Procter & Gamble Co.	08-31-1995		
		PCT	WO 95/33874		Minnesota Mining and Manufacturing Company	12-14-1995		
		PCT	WO 96/00263		Stichting Oerzoek En Ontwikkleing Noord	01-04-1996		
		PCT	WO 96/08535		The Procter & Gamble Co.	03-21-1996		
	CYW		PCT	WO 96/18420		Bracco Research SA	06-20-1996	

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		Number	Kind Code ² (if known)			
CYW		5,480,794		Peoples, et al.	01-02-1996	
		5,489,470		Noda	02-06-1996	
		5,502,116		Noda	03-26-1996	
		5,502,158		Sinclair et al.	03-26-1996	
		5,512,669		Peoples, et al.	04-30-1996	
		5,516,565		Matsumoto	05-14-1996	
		5,534,432		Peoples, et al.	07-09-1996	
		5,536,564		Noda	07-16-1996	
		5,550,173		Hammond, et al.	08-27-1996	
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		Office. ³	Number ⁴	Kind Code ⁵ (if known)				
CYW		PCT	WO 96/21427		Atrix Laboratories, Inc.	07-18-1996		
		PCT	WO 96/40304		Reprogenesis, Inc.	12-19-1996		
		PCT	WO 97/07153		University of Massachusetts Medical Center	02-27-1997		
		PCT	WO 97/15681		Metabolix Inc	05-01-1997		
		PCT	WO 97/30042		Global Art Co. Ltd	08-21-1997		
	CYW		PCT	WO 98/04292		Acusphere, Inc.	02-05-1998	

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		5,614,576		Rutherford et al.	03-25-1997	
		5,629,077		Turnlund, et al.	05-13-1997	
		5,625,030		Williams et al.	05-29-1997	
		5,635,215		Boschetti, et al.	06-03-1997	
		5,646,217		Hammond	07-08-1997	
		5,648,100		Boschetti, et al.	07-15-1997	
		5,670,161		Healy, et al.	09-23-1997	
		5,703,160		Dehennua et al.	12-30-1997	
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CYW		PCT	WO 98/39453		Monsanto Co.	09-11-1998		
		PCT	WO 98/48028		Monsanto Company	10-29-1998		
		PCT	WO 98/51812		Metabolix, Inc.	11-19-1998		
		PCT	WO 99/11196		Point Biomedical Corp.	03-11-1999		
		PCT	WO 99/14313		Metabolix Inc	03-25-1999		
		PCT	WO 99/32536		Metabolix, Inc.	07-01-1999		
CYW		PCT	WO 99/35192		Metabolix Inc.	07-15-1999		

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CYW		5,709,854		Griffiths-Cima, et al.	01-20-1998	
		5,711,933		Bichon, et al.	01-27-1998	
		5,728,752		Scopelianos, et al.	03-17-1998	
		5,753,364		Rutherford et al.	05-19-1998	
		5,753,708		Koehler et al.	05-19-1998	
		5,811,272		Snell, et al.	09-22-1998	
		5,814,071		McDevitt, et al.	09-29-1998	
		5,814,599		Mitragotri et al.	09-29-1998	
		5,824,333		Scopelianos, et al.	10-20-1998	
CYW		5,824,751		Hori et al.	10-20-1998	

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		PCT	WO 01/15671		Tepha, Inc.,	03-08-2001		
		PCT	WO 01/19361		Tepha, Inc.	03-22-2001		
CYW		PCT	WO 04/101002		Tepha, Inc.	11-25-2004		

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		Filing Date	February 16, 2006		
		First Named Inventor	Georgio Terenghi		
		Group Art Unit	Not Yet Assigned		
		Examiner Name	Not Yet Assigned		
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U.S. PATENT DOCUMENTS							
Examiner Initials *	Cite No. ¹	US Patent Document		Name of Patentee or Applicant of Cited Document	Date of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Number	Kind Code ² (if known)				
CYW		5,834,582		Sinclair et al.	11-10-1998		
		5,840,331		Van Cauter, et al.	11-28-1998		
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		5,855,619		Caplan, et al.	01-05-1999		
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		6,056,970		Greenawalt, et al.	05-02-2000		
		6,119,567		Schindler, et al.	09-19-2000		
		6,214,387		Berde, et al.	04-10-2001		
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	CYW		6,610,764		Martin, et al.	08-26-2003	

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CYW		ABATE, et al., "Separation and structural characterizations of cyclic and open chain oligomers produced in the partial pyrolysis of microbial poly(hydroxybutyrate)", <i>Macromolecules</i> , 28(23):7911-1916 (1995).	
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CYW		BERGER, et al., "PHB recovery by hypochlorite digestion of non-PHB biomass", <i>Biotechnology Techniques</i> , 3(4):227-232 (1989).	
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CYW		COOKSON, "It grows on trees", <i>Financial Times</i> , p. 6 (August 12, 1992).	
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CYW		ENTHOLZNER, et al., "EEG changes during sedation with gamma-hydroxybutyric acid", <i>Anaesthetist</i> , 44:345-350 (1995).	

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CYW		FRASER, et al., "Controlled release of a GnRH agonist from a polyhydroxybutyric acid implant-reversible suppression of the menstrual cycle in the macaque", <i>Acta Endocrinol.</i> , 121:841-848 (1989).	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/568,649
		Filing Date	February 16, 2006
		First Named Inventor	Georgio Taranghi
		Group Art Unit	Not Yet Assigned
		Examiner Name	Not Yet Assigned
Sheet 17 of 26	Attorney Docket Number	TEPH 109	

OTHER ART – NON PATENT LITERATURE DOCUMENTS			
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CYW		KIM and MOONEY, "Engineering smooth muscle tissue with a predefined structure", <i>J. Biomed. Mat. Res.</i> , 41(2):322-332 (1998).	
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CYW		LAFFERTY, et al., "Microbial Production of Poly-b-hydroxybutyric acid" in <u>Biotechnology</u> (H.J. Rehm and G. Reed, eds.), Verlagsgesellschaft, Weinheim, vol. 66, pp. 135-76 (1988).	
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CYW		MADISON and HUISMAN, "Metabolic engineering of poly(3-hydroxyalkanoates): from DNA to plastic", <i>Microbiol. Molec. Biol. Rev.</i> , 63:21-53 (1999).	
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CYW		MÜLLER, et al., "Poly(hydroxyalkanoates): A Fifth Class of Physiologically Important Organic Biopolymers", <i>Angew. Chem. Int. Ed. Engl.</i> , 32: 477-502 (1993).	
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CYW		PEDRÓS-ALIO <i>et al.</i> , "The influence of poly-D-hydroxybutyrate accumulation on cell volume and buoyant density in <i>Alcaligenes eutrophus</i> ", <i>Arch. Microbiol.</i> 143:178-184 (1985).	
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CYW		REYNOLDS, <u>Martindale: The Extra Pharmacopeia</u> , p. 1264, (Thirty First Edition, Royal Pharmaceutical Society, London, 1997).	
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CYW		SHINOKA, et al., "Creation of viable pulmonary artery autografts through tissue engineering", <i>J. Thorac. Cardiovasc. Surg.</i> , 115(3):536-46 (1998).	

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CYW		SHINOKA, et al., "Tissue engineering heart valves: valve leaflet replacement study in a lamb model" <i>Ann. Thorac. Surg.</i> , 60(Suppl 3):S513-16 (1995).	
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		Application Number	10/568,649		
		Filing Date	February 16, 2006		
		First Named Inventor	Georgio Terenghi		
		Group Art Unit	Not Yet Assigned		
		Examiner Name	Not Yet Assigned		
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OTHER ART -- NON PATENT LITERATURE DOCUMENTS			
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CYW		TAKAGI et al., "Biosynthesis of polyhydroxyalkanoate with a thiophenoxy side group obtained from <i>Pseudomonas putida</i> ", <i>Macromolecules</i> , 32: 8315-8318 (1999).	
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CYW		UNVERDORFEN, et al., "Polyhydroxybutyrate (PHB) Biodegradable Stent-Experience in the Rabbit", <i>American J. Cardiol.</i> , TCT Abstracts/Oral, p.5S:TCT-11 (Oct. 1998).	
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